

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, or claims in the application:

**LISTING OF CLAIMS:**

Claim 1 (Original) A communication system wherein a device and a client communicate data with each other through a network,

wherein said device comprises:

a first storage device which stores a root certificate including a public key in a pair of the public key and a private key and signed with the public key;

a certificate creator which creates a second certificate including the root certificate designated as a certificate authority at a higher level and signed with the private key; and

a communication device which transmits the second certificate created by said certificate creator;

wherein said client comprises:

a second storage device which stores the root certificate stored in said first storage device; and

a verifier which verifies the signature of the second certificate received from said device with the root certificate in said second storage device.

Claim 2 (Original) The communication system according to claim 1, wherein said device is a printer.

Claim 3 (Original) The communication system according to claim 1, wherein said device is a multifunctional peripheral.

Claim 4 (Original) The communication system according to claim 1, wherein said client is a personal computer.

Claim 5 (Original) The communication system according to claim 1, wherein said second storage device is a hard disk drive.

Claim 6 (Original) The communication system according to claim 1, wherein said second storage device is a read-only memory.

Claim 7 (Original) A communication method for a communication system, wherein a device and a client communicate data with each other through a network,

wherein the device holds a root certificate including a public key in a pair of the public key and a private key and signed with the public key;

the client installs the root certificate received from the client and including the private key;

the device creates a second certificate including the root certificate designated as a certificate authority at a higher level and signed with the private key when data is sent to the client;

the device sends the second certificate to the client; and

the client verifies the signature of the second certificate received from the device with the root certificate.

Claim 8 (Original) The method according to claim 7, wherein the device further holds an intermediate certificate or intermediate certificates for a certificate authority or certificate authorities existing in a hierarchical order up to a root certificate authority;

the client installs the intermediate certificate or intermediate certificates besides the root certificate;

the device sends the second and intermediate certificates to the client; and

the client verifies the signatures of the second and intermediate certificates received from the device with the intermediate and root certificates.

Claim 9 (Original) The method according to claim 7, wherein when the client installs the root certificate, the client firstly requests the root certificate to the device when a printer driver is installed from the device, secondly receives the root certificate from the device, thirdly converts the received root certificate to a predetermined format when the root certificate is received, and fourthly installs the converted root certificate.

Claim 10 (Original) The method according to claim 7, wherein when the client installs the root certificate, the installation is performed after it is confirmed by a user.

Claim 11 (Original) The method according to claim 7, wherein the device has a print function, and the client installs the root certificate after a printer driver is installed from the device.

Claim 12 (Original) The method according to claim 7, wherein the data is communicated according to security sockets layer protocol.

Claim 13 (Original) A computer-readable storage device storing a program comprising the steps of:

requesting a root certificate to a device connected through a network;  
receiving the root certificate from the device; and  
installing the root certificate.

Claim 14 (Original) The computer-readable storage device according to claim 13, wherein the installing step comprising the steps of:

converting the received root certificate to a predetermined format after the root certificate is received; and  
installing the converted root certificate.

Claim 15 (Original) The computer-readable storage device according to claim 13, wherein the program further comprising the step of installing a printer driver before the requesting step.

Claim 16 (Original)      The computer-readable storage device according to claim 13, wherein the program further comprising the step of receiving user's confirmation on the installation of the root certificate before the requesting step.

Claim ~~16~~ 17 (Currently Amended)      A device to be used in a communication system between the device and a client through a network wherein the device sends information to the client and the client uses the information to communicate with the device, comprising:

    a first storage device which stores a pair of a public key and a private key;

    a second storage device which stores a root certificate signed with the public key;

and

    an interface which sends the information as well as the public key to the client through the network;

    wherein the root certificate is sent through said interface to the client for verification of the information by the client.

Claim ~~17~~ 18 (Currently Amended)      The device according to claim ~~16~~ 17, wherein the device is a device which functions as a printer.

Claim ~~18~~ 19 (Currently Amended)      The device according to claim ~~16~~ 17, wherein the information is a printer driver.